

**ABSTRACT**

The invention concerns coated particles based on granulated microcrystals of ibuprofen, its pharmaceutically acceptable isomers and salts, characterized in that they comprise a coating obtained in a fluidized bed apparatus with a hydroalcoholic dispersion consisting of a mixture comprising (A) 5 to 50% by weight of ethylcellulose relative to ibuprofen; (B) 10 to 60% by weight of hydroxypropylmethylcellulose relative to the ethylcellulose; and (C) 1 to 40% by weight of silica with antistatic and permeabilising properties relative to the ethylcellulose, the resulting coating, whereof at least one of the constituents can be used for granulating the ibuprofen microcrystals resulting in said particles, thereby masking the unpleasant taste of ibuprofen and significantly reducing its irritating effect on the throat after deglutition and substantially immediate release of ibuprofen when the particles are placed in an aqueous medium.

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